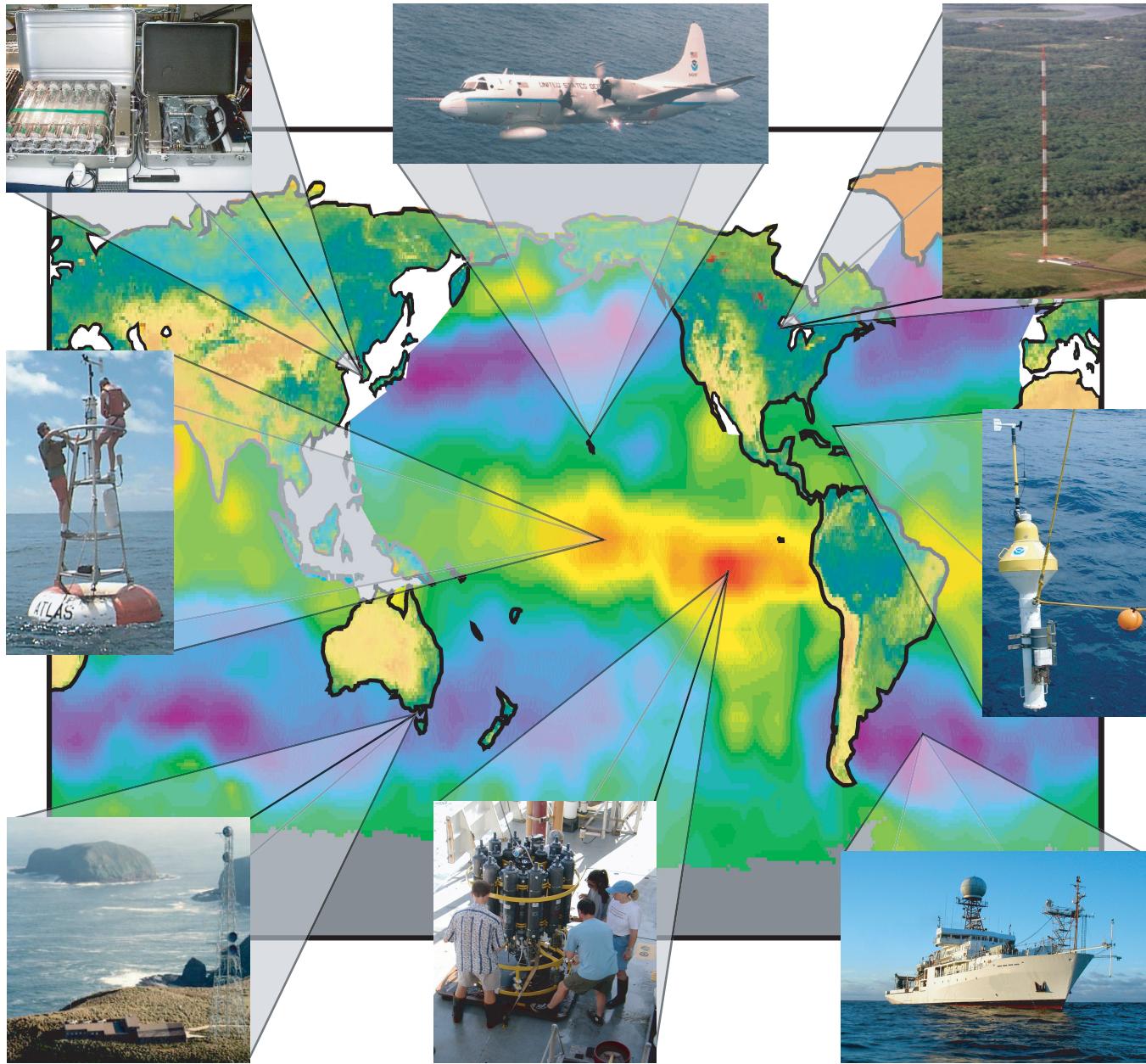


A Large-Scale CO₂ Observing Plan: In Situ Oceans and Atmosphere (LSCOP)



**A Report of the In Situ Large-Scale CO₂
Observations Working Group**

Front Cover: Global map of the world. The land colors show the composite NASA SeaWiFS Vegetation Index. The ocean colors show the climatological mean air-sea CO₂ fluxes for the virtual year 1995 (after Takahashi *et al.*, 2002). The surrounding pictures show the various sampling platforms and equipment that are used as part of the air and seawater CO₂ observing network. The SeaWiFS data were provided courtesy of the NASA SeaWiFS Project Office and ORBIMAGE Corporation. The CO₂ flux data were provided by Taro Takahashi of Lamont-Doherty Earth Observatory of Columbia University. The photos were provided by Christopher Sabine, Richard Feely, Britton Stephens, and Pieter Tans.

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In Situ Large-Scale CO₂ Observations Working Group:

Bender, M., S. Doney, R.A. Feely, I. Fung, N. Gruber, D.E. Harrison, R. Keeling, J.K. Moore, J. Sarmiento, E. Sarachik, B. Stephens, T. Takahashi, P. Tans, and R. Wanninkhof

A contribution to the implementation of the
U.S. Carbon Cycle Science Plan

April 2002

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Contents

Executive Summary	3
1. Observation Objectives	4
2. Selected Ongoing Programs	7
3. Recommended New Programs	7
Chapter One—Introduction	13
1.1 Overview	13
1.2 Background	14
1.3 Planning Activities	17
1.4 Structure of the Report	19
Chapter Two—Atmospheric Observations	21
2.1 Overview	21
2.1.1 The atmospheric observing system one decade from today	24
2.1.2 Goals for the next 5 years	24
2.2 Background	26
2.2.1 Current status of atmospheric observations	26
2.2.2 Current limitations to inversions	30
2.3 Recommendations	37
2.3.1 Recommendations for the next 1 to 5 years	38
2.3.2 Recommendations for the timescale of 6 to 10 years	44
2.4 Summary	45
Addendum 2-1: Sampling and Measurement Biases	46
Addendum 2-2: Error Assessments for Enhanced Networks	50
Chapter Three—Integrated Studies of the Surface Ocean and Air-Sea Interface	55
3.1 Overview	55
3.2 Background	57
3.2.1 Studies of sea surface pCO ₂ and climatology of air-sea fluxes	59
3.2.2 Parameterizing Gas Transfer Velocities for Calculating Air-Sea Fluxes	64
3.2.3 Studies of Biogeochemical Fluxes at the Sea Surface: Climatology and Interannual Variability	67
3.2.4 Constraints on network design	70
3.3 Recommendations for Observations of Sea Surface pCO ₂ and Related Properties	72
3.3.1 Form and improve international collaborations on unified data protocols and standardization (priority 1)	72
3.3.2 Measure pCO ₂ and related properties on volunteer observing ships	72
3.3.3 Develop understanding of the physics of gas exchange, to improve our ability to parameterize gas transfer velocities using data collected from satellites; develop and test gas exchange parameterizations with eddy accumulation experiments (priorities 1–3)	76

3.3.4 Deploy moorings and carry out time series studies of pCO ₂ and related biogeochemical properties in major biogeochemical provinces of the world's oceans	78
3.3.5 Design and implement a data management and access system that will make CO ₂ measurements easily accessible on the web, including both discrete data and fields determined using interpolation schemes (priority 1)	79
3.3.6 Develop improved autonomous sensors for sea surface analysis of pCO ₂ and related properties	80
3.3.7 Develop formalisms for interpolating air-sea CO ₂ fluxes in time and space, and seasonal and annual averages, from local flux values (priority 3)	80
3.3.8 Deploy drifters with pCO ₂ sensors to map pCO ₂ fields of otherwise inaccessible regions and regions where large seasonal pCO ₂ variations are linked to large biogeochemical fluxes (priority 3)	80
Chapter Four—Integrated Studies in the Water Column	83
4.1 Overview	83
4.2 Background	84
4.2.1 Network design	91
4.3 Recommendations	95
4.3.1 Repeat ocean sections	95
4.3.2 Properties to be analyzed on repeat sections	96
4.3.3 Transient tracers	98
4.3.4 Emerging tracers of mixing and biogeochemistry	98
4.3.5 Repeat time of ocean sections	98
4.3.6 Spatial resolution of ocean sections	99
4.3.7 Time-series observations of the properties of the ocean interior	100
4.3.8 Sites for time series station	102
4.3.9 Properties to be analyzed at time-series sites	104
4.3.10 Priorities for the ocean interior	105
4.3.11 The first 5 years	106
4.3.12 The second 5 years	106
4.4 Summary	107
Chapter Five—Synthesis and Modeling	109
5.1 Overview	109
5.2 Recommendations	111
5.2.1 Carbon data management and distribution	111
5.2.2 Sampling network design	111
5.2.3 Ocean and atmosphere prognostic model—data evaluation .	112
5.2.4 Reconciliation of air-sea CO ₂ flux estimates	112
5.2.5 Hindcast simulations	113
5.2.6 Data assimilation	114
5.2.7 Prognostic (forecast) simulations	115
5.2.8 Modeling studies for atmospheric CO ₂	115
5.2.9 Modeling studies for upper ocean physics/biogeochemistry and sea surface pCO ₂	119
5.2.10 Modeling studies of CO ₂ in the ocean interior	123
5.2.11 Modeling studies of the global coupled carbon-climate system	125

Chapter Six—Biennial Assessment of the State of the Carbon Cycle Studies	129
6.1 Background	129
6.2 Assessing the State of Carbon Cycle Research	129
6.2.1 Assessing research results	130
Chapter Seven—Summary	133
References	137
Appendix A—Participant List: Global Carbon Cycle Observation Workshop	147
Appendix B—Commissioning Letter	151
Appendix C—Acronyms	153
Appendix D—Spatial and Temporal Variability of Surface Water pCO₂ and Sampling Strategies	155
D.1 Introduction	155
D.2 General Background	155
D.2.1 Factors that determine variability of pCO₂	155
D.2.2 Variability of surface water pCO₂	156
D.3 Regional CO₂ Flux and Sea-Air pCO₂ Difference	157
D.4 Temporal Variability of pCO₂ and Sampling Frequency . . .	159
D.4.1 Temperate Gyre Regime	159
D.4.2 Equatorial Pacific regime	161
D.4.3 Subarctic regime	162
D.4.4 Transition zone between the temperate and subarctic regimes	162
D.5 Spatial Variability of CO₂ and Sampling Intervals	165
D.5.1 E-W traverse across the temperate North Atlantic Ocean	165
D.5.2 N-S traverse across the central north and equatorial Pacific Ocean	169
D.5.3 N-S traverses across the high-latitude Southern Ocean	169
D.6 Conclusion	171
D.6.1 Temporal and spatial sampling requirements	171
D.6.2 Ways to lower sampling requirements	173
D.7 References	174
Appendix E—Errors in the Sea-Air CO₂ Flux Due to Time-Space Ocean Sampling Strategies for Sea-Air pCO₂ Difference	177
E.1 Objective	177
E.2 Method	177
E.3 Results	178
E.3.1 Meridional transects	178
E.3.2 Zonal Transects	180
E.4 Conclusion	182
E.5 References	182
Appendix F—The Role of Remote Sensing in an Ocean CO₂ Observing Plan	185
F.1 Introduction	185
F.2 General Background	185

F.2.1	Biogeochemical variables that can be measured or inferred from satellite-borne sensors	185
F.2.2	Relevant Existing Remote-Sensing Missions	188
F.3	New Developments	188
F.3.1	Sensors	188
F.3.2	Programs	188
F.4	What Is Missing?	189
F.5	Conclusions	190
F.6	References	190
 Appendix G—Instrumentation and Platforms for Observations of Sea Surface pCO₂ and Related Properties		193
G.1	Introduction	193
G.2	Autonomous Sensors for Moorings, Drifters, Floats, and Volunteer Observing Ships	193
G.2.1	Sea surface pCO ₂	193
G.2.2	pO ₂	194
G.2.3	Total dissolved gas pressure	194
G.2.4	Autonomous NO ₃ ⁻ and POC sensors	194
G.2.5	Other properties	195
G.2.6	Multiparameter sensors	195
G.3	Conclusions	195
G.4	References	195
 Appendix H—Efforts by the European Community		199
H.1	CAVASSOO	199
H.2	ANIMATE	200

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